

SPAN (ft)	DESIGN WIND HEIGHT TO C TRUSS (ft)	MAXIMUM DRILLED SHAFT AXIAL LOAD (kips)	MAXIMUM DRILLED SHAFT MOMENT (k-ft)	DRILLED SHAFT DIAMETER (In)	DRILLED SHAFT EMBEDMENT LENGTH (ft)			
					AVERAGE N (BLOWS/12")			
					10	20	30	40
40	15	66	63	36	23	13	10	9
	20	83	102	36	28	16	11	10
	25	100	151	36	33	18	13	13
	30	118	211	36	39	21	15	15
	35	137	281	36	45	24	18	18
	40	157	363	36	51	27	20	20
	45	177	456	36	57	30	23	23
50	199	561	36	63	33	25	25	
50	15	72	63	36	25	14	10	9
	20	90	102	36	30	17	12	10
	25	109	151	36	36	20	14	13
	30	129	211	36	42	23	16	15
	35	150	281	36	49	26	18	18
	40	172	363	36	55	29	20	20
	45	195	456	36	62	33	23	23
50	218	561	36	69	36	25	25	
60	15	78	63	36	27	15	11	9
	20	97	102	36	33	18	13	10
	25	118	151	36	39	21	15	13
	30	140	211	36	45	24	17	15
	35	163	281	36	52	28	19	18
	40	186	363	36	59	31	22	20
	45	211	456	36	67	35	24	23
50	236	561	36	75	39	27	25	
70	15	83	63	36	28	16	11	9
	20	104	102	36	35	19	14	11
	25	127	151	36	41	22	16	13
	30	150	211	36	49	26	18	15
	35	175	281	36	56	29	21	18
	40	200	363	36	64	33	23	20
	45	227	456	36	72	37	26	23
50	254	561	36	80	42	29	25	
80	15	89	63	36	30	16	12	10
	20	112	102	36	37	20	14	11
	25	136	151	36	44	24	17	13
	30	161	211	36	52	27	19	15
	35	187	281	36	60	31	22	18
	40	214	363	36	68	36	25	20
	45	243	456	36	77	40	28	23
50	252	561	42	69	36	25	25	
90	15	94	63	36	32	17	13	10
	20	119	102	36	39	21	15	12
	25	144	151	36	47	25	18	14
	30	171	211	36	55	29	20	16
	35	200	281	36	63	33	23	18
	40	229	363	36	72	38	26	20
	45	240	456	42	65	34	24	23
50	268	561	42	73	38	26	25	

SPAN (ft)	DESIGN WIND HEIGHT TO C TRUSS (ft)	MAXIMUM DRILLED SHAFT AXIAL LOAD (kips)	MAXIMUM DRILLED SHAFT MOMENT (k-ft)	DRILLED SHAFT DIAMETER (In)	DRILLED SHAFT EMBEDMENT LENGTH (ft)			
					AVERAGE N (BLOWS/12")			
					10	20	30	40
100	15	101	67	42	29	16	12	10
	20	126	109	42	36	19	14	11
	25	152	161	42	43	23	16	13
	30	179	224	42	50	26	19	15
	35	207	298	42	57	30	21	18
	40	236	384	42	64	34	23	20
	45	266	482	42	72	38	26	23
50	297	592	42	80	42	29	25	
110	15	107	67	42	31	17	12	10
	20	133	109	42	38	20	15	12
	25	160	161	42	45	24	17	13
	30	189	224	42	52	28	19	15
	35	219	298	42	60	31	22	18
	40	249	384	42	68	35	25	20
	45	281	482	42	76	40	27	23
50	294	592	48	70	36	25	25	
120	15	112	67	42	32	18	13	10
	20	140	109	42	39	21	15	12
	25	169	161	42	47	25	18	14
	30	199	224	42	55	29	20	16
	35	230	298	42	63	33	23	18
	40	262	384	42	71	37	26	20
	45	296	482	42	80	41	29	23
50	309	592	48	73	38	26	25	
130	15	117	67	42	34	18	13	11
	20	147	109	42	41	22	16	13
	25	177	161	42	49	26	18	15
	30	209	224	42	57	30	21	17
	35	242	298	42	66	34	24	19
	40	276	384	42	75	39	27	21
	45	291	482	48	69	36	25	23
50	324	592	48	77	40	28	25	
140	15	125	72	42	35	19	14	11
	20	156	116	42	44	23	17	13
	25	189	171	42	52	28	19	15
	30	222	237	42	61	32	22	17
	35	257	316	42	70	36	25	20
	40	294	406	42	79	41	28	22
	45	309	509	48	73	38	26	23
50	325	625	54	69	36	25	25	

DESIGNER NOTE:
THIS SHEET IS FOR DESIGNER'S USE
IN DETERMINING DRILLED SHAFT DIAMETER,
LOADS AND EMBEDMENT. DO NOT INSERT
INTO PLANSET.

FOUNDATION DATA AND EMBEDMENT LENGTH TABLE



OVERHEAD SIGN BRIDGE
FOUNDATION DATA AND
EMBEDMENT SELECTION
TABLE
HORIZONTAL SCHEME
OSB-HS

FILE# STDN37.DGN	DW# HOU	CK# HOU	DW# HOU	CK# HOU
© TxDOT AUGUST 2011	DISTRICT HOUSTON	FED REG 6	PROJECT NO.	SHEET
REVISIONS	COUNTY	CONTROL	SECT	JOB
				HIGHWAY